

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) An emulation and native language interface test method comprising:
initializing an emulation language virtual machine;
wrapping native language code in a simulation test macro which creates simulated interfacing problems; and
examining reaction to said simulated interfacing problems when an emulation language application is run.
2. (Original) An emulation and native language interface test method of Claim 1 wherein said emulation language virtual machine creates a runtime environment and said runtime environment can include a class loader subsystem and an execution engine.
3. (Original) An emulation and native language interface test method of Claim 1 wherein said simulated test problems include simulations of error conditions associated with a native language code method attempt to respond to a call from emulation language code.
4. (Original) An emulation and native language interface test method of Claim 1 further comprising forwarding an indication that there is a insufficient memory allocation exception to a native language method attempting to ascertain an indication of a memory location for information associated with a native language function.

5. (Currently Amended) A Java ~~native interface~~ Native Language Interface testing system comprising:

means for communicating information;

means for processing said information, including instructions for testing a Java ~~native interface~~ Native Language Interface, said means for processing said information coupled to said means for communicating information; and

means for storing said information, including said instructions for testing said Java ~~native interface~~ Native Language Interface, said means for storing said information coupled to said means for communicating information.

6. (Currently Amended) The Java ~~native interface~~ Native Language Interface testing system of claim 5 wherein said means for processing performs a Java Native Language Interface test method.

7. (Currently Amended) The Java ~~native interface~~ Native Language Interface testing system of claim 5 wherein said instructions include an interface testing macro module.

8. (Currently Amended) The Java ~~native interface~~ Native Language Interface testing system of claim 5 emulates a Java ~~virtual machine~~ Virtual Machine.

9. (Original) A Java Native Language Interface test method comprising:

investigating Java Native Language Interface test mode status;

running a Java application with simulated Java Native Language Interface problems if said Java Native Language Interface test mode is enabled; and

initiating a call to a Java Native Language Interface function directly without said simulated Java Native Language Interface problems if said Java Native Language Interface test mode is not enabled.

10. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 9 wherein said Java Native Language Interface test mode status indicator indicates if said Java Native Language Interface test mode status is enabled.

11. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 9 wherein said Java Native Language Interface test mode status indicator is a flag wherein a state of said flag indicates if said Java Native Language Interface test mode status is set.

12. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 9 wherein a register value indicates said Java Native Language Interface test mode status.

13. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 9 wherein said problems include identifying indications of Java Native Language Interface code trouble associated with out of memory situations.

14. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 9 wherein a Java Native Language Interface problem simulation process is performed to simulate Java Native Language Interface problems.

15. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 9 further comprising:

determining a Java Native Language Interface problem simulation occurrence level;
introducing simulation randomness;
performing an analysis whether to initiate a simulation of Java Native Language Interface problem;
calling a Java Native Language Interface memory allocation function normally;
forwarding a Java Native Language Interface problem indicator automatically;
and
implementing a reaction to the Java Native Language Interface problem indication.

16. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 15 further comprising:

looking up a predefined Java Native Language Interface problem simulation occurrence level;
generating a random value; and
correlating said random value to said [[JNI]] Java Native Language Interface problem simulation occurrence level.

17. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 16 further comprising:

comparing said randomly generated value to said Java Native Language Interface problem simulation occurrence level; and
initiating a simulation of a Java Native Language Interface problem if said generated value from is less than said Java Native Language Interface problem simulation occurrence level.

18. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 16 further comprising initiating a controlled shut down.

19. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 16 further comprising clearing a system and canceling information inventory collections that is occupying memory space.

20. (Currently Amended) [[A]] The Java Native Language Interface test method of Claim 16 further comprising providing an indication of the Java Native Language Interface problem to a user.